

APPENDIX A

Common Electrical Parts and Equipment

	Battery		Voltmeter
	Coil or winding		Ammeter
	Electromagnet		Wattmeter
	Resistor		Generator
	Rheostat		Motor
	Lamp		Commutator or armature
	Switch, single-pole, single-throw		Conductors, joined
	Fuse		Conductors, not joined
	Switch, 2-pole, single-throw		Transformer, general
	Switch, single-pole, double-throw		Transformer, iron-core
	Switch, 2-pole, double-throw		Capacitor
	Circuit breaker		Actuating device, thermal
	Contact, normally open		Ground connection
	Contact, normally closed	E	Voltage
		I	Current
		R	Resistance
		Ω	Ohm
			Cycle
		+	Positive
		—	Negative

Figure A-1. Basic circuiting symbols

	Outlet		Drop cord
	Clock outlet specify voltage		Fan outlet
	Exit light outlet		Lamp holder
	Junction box		Lamp holder with pull switch
	Pull switch		Vapor discharge lamp outlet
	Blanked outlet		

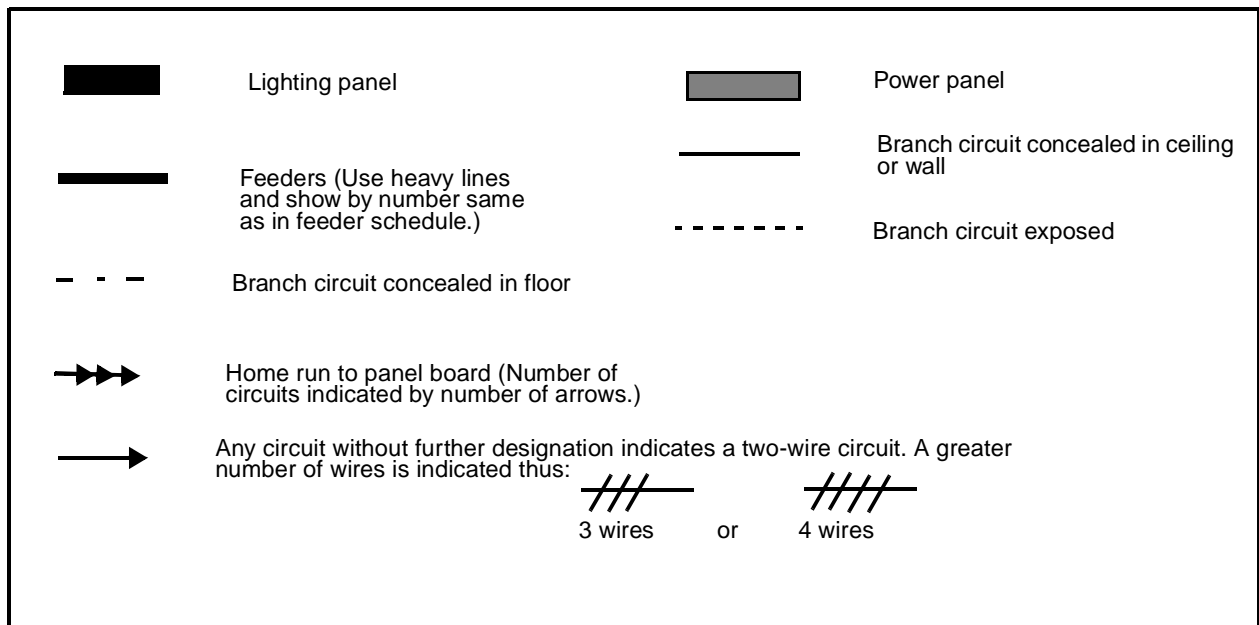
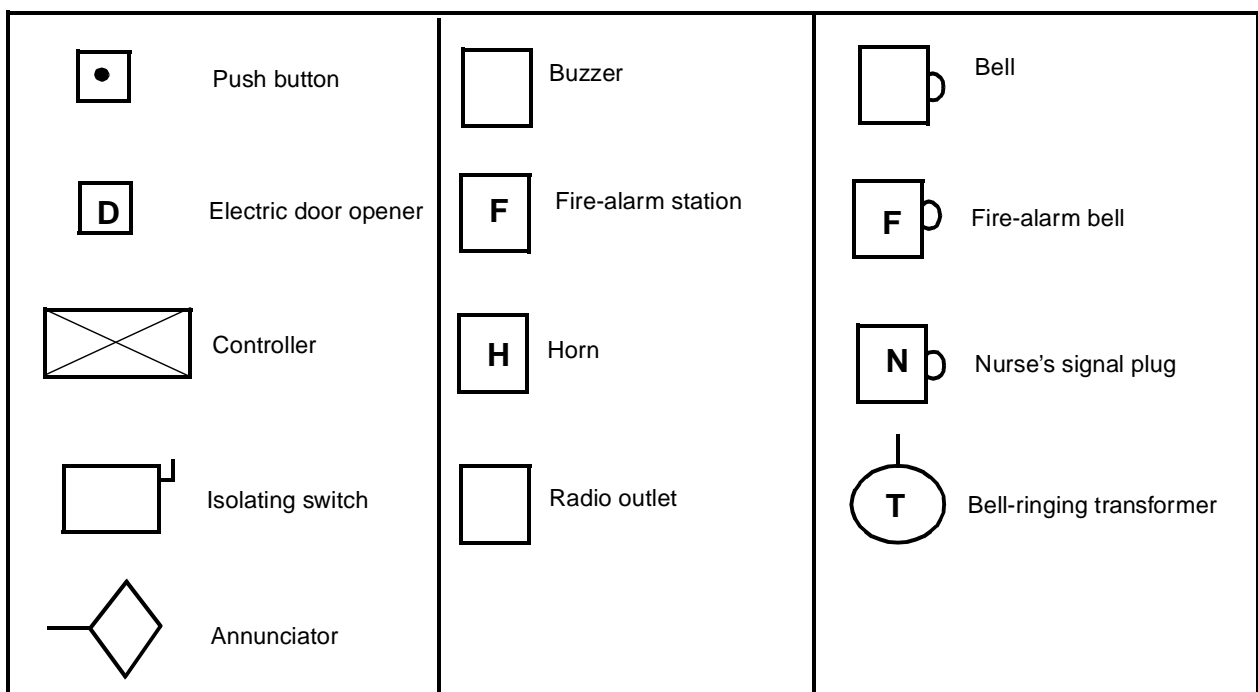
Figure A-2. General outlet symbols

	Duplex convenience outlet		Convenience outlet, other than duplex 1=single, 3=triple, and so forth
	Weatherproof convenience outlet		Range outlet
	Switch and convenience outlet		Radio and convenience outlet
	Special-purpose outlet, describe in specifications		Floor outlet

Figure A-3. Convenience outlet symbols

S	Single-pole switch	S₄	Four-way switch
S₃	Three-way switch	S_E	Electroliner switch
S_D	Automatic-door switch	S_P	Pilot lamp and switch
S_K	Key-operated switch	S_{WCB}	Weatherproof circuit breaker
S_{CB}	Circuit breaker	S_{RC}	Remote-control switch
S_{MC}	Momentary contact switch	S_F	Fused switch
S_{WP}	Weatherproof switch	S_{WF}	Weatherproof fused switch
S₂	Double-pole switch		

Figure A-4. Switch outlet symbols

**Figure A-5. Panels and circuits****Figure A-6. Miscellaneous symbols**

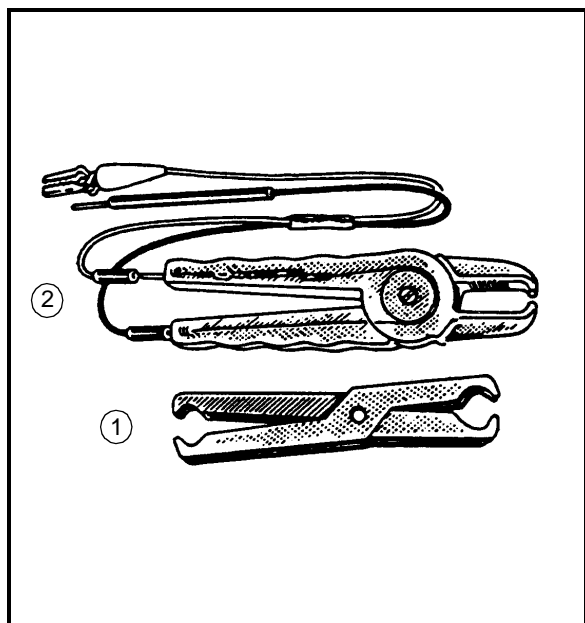


Figure A-7. Fuse pullers

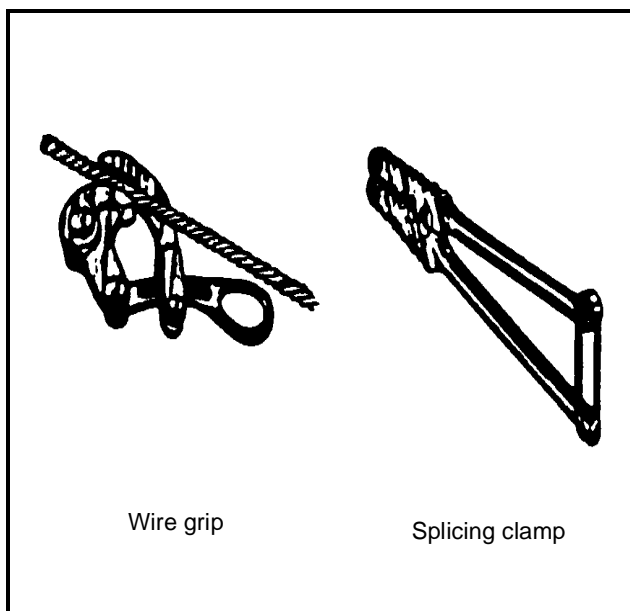


Figure A-8. Wire grip and splicing clamp

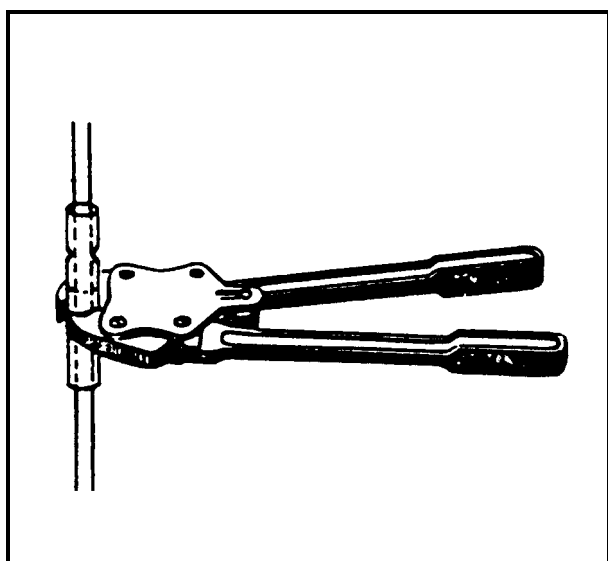


Figure A-9. Thin-wall conduit impinger

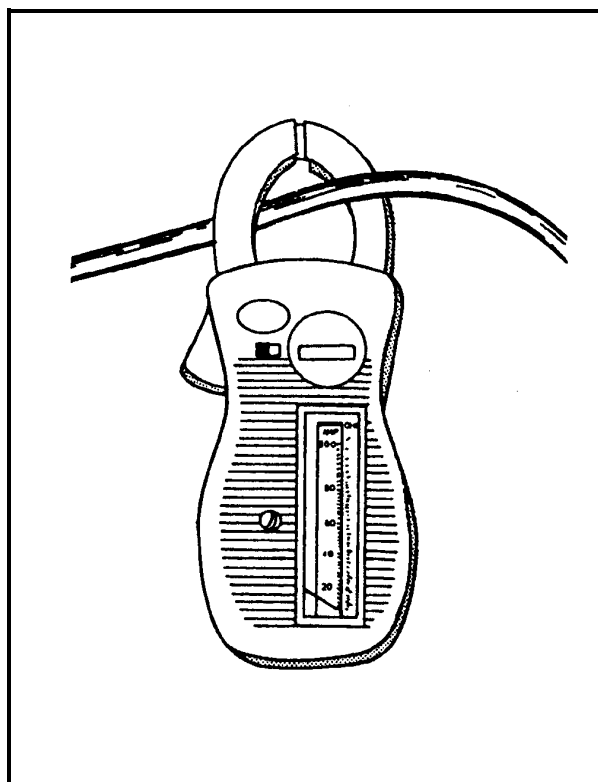


Figure A-10. Multimeter

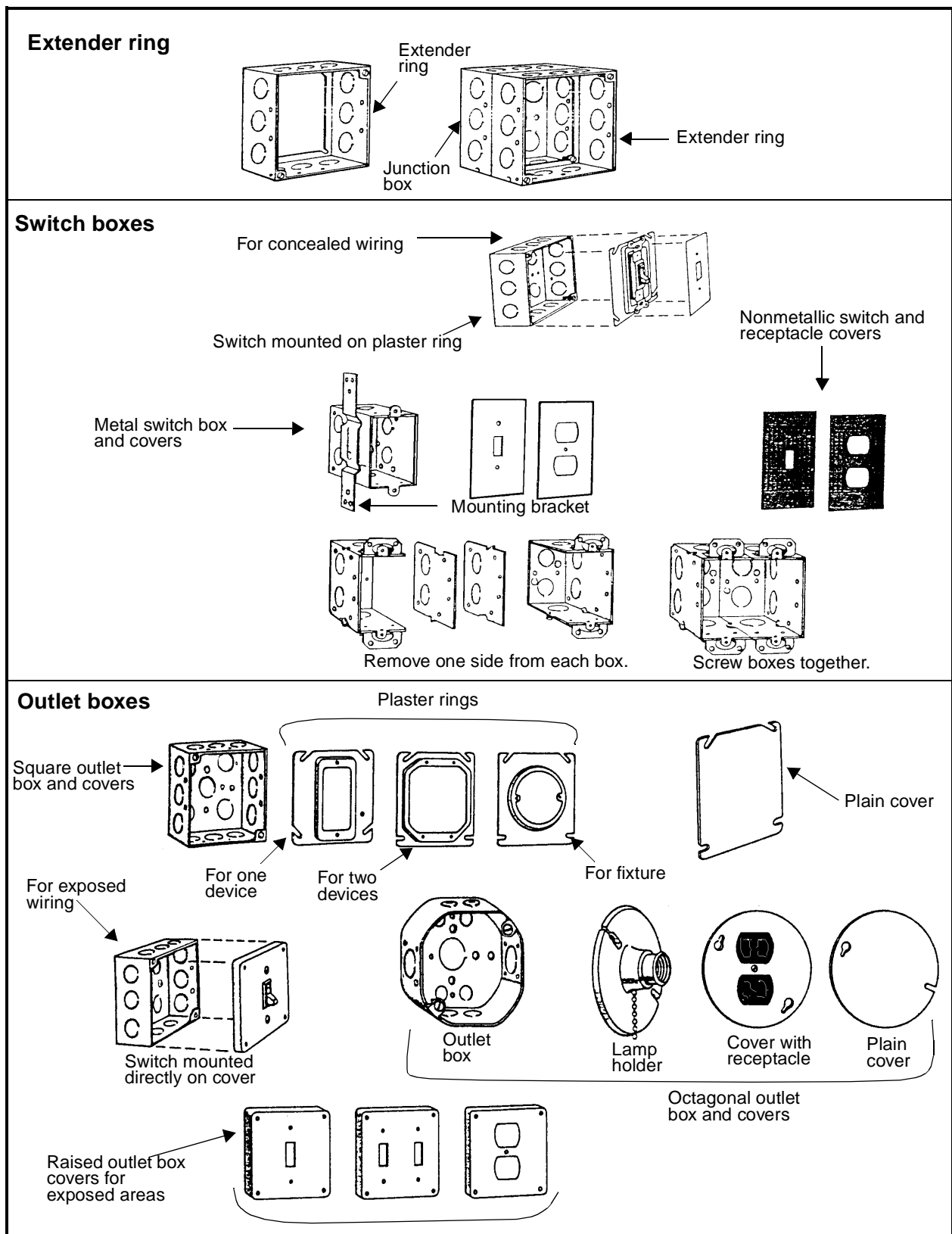


Figure A-11. Steel electrical boxes and covers

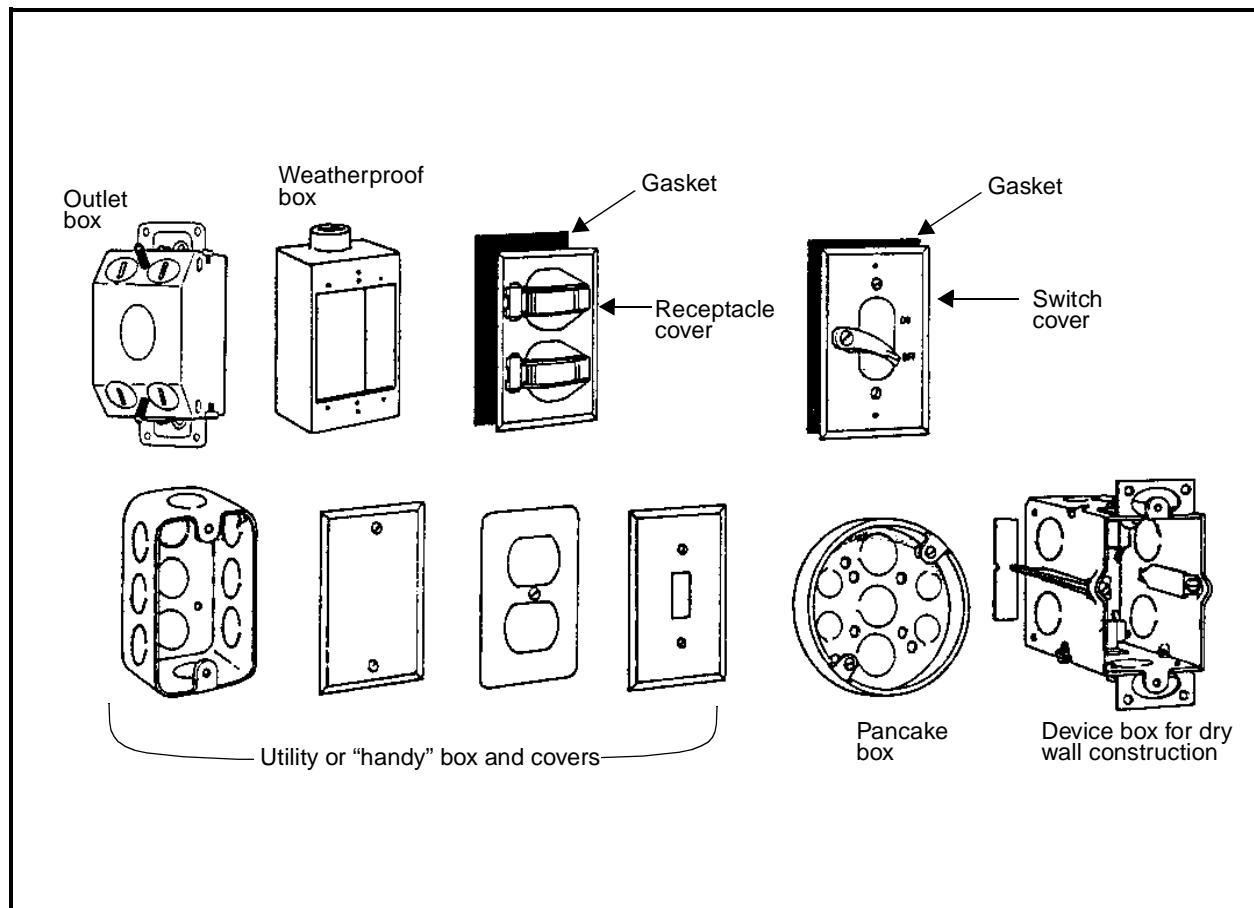


Figure A-12. Special-situation boxes

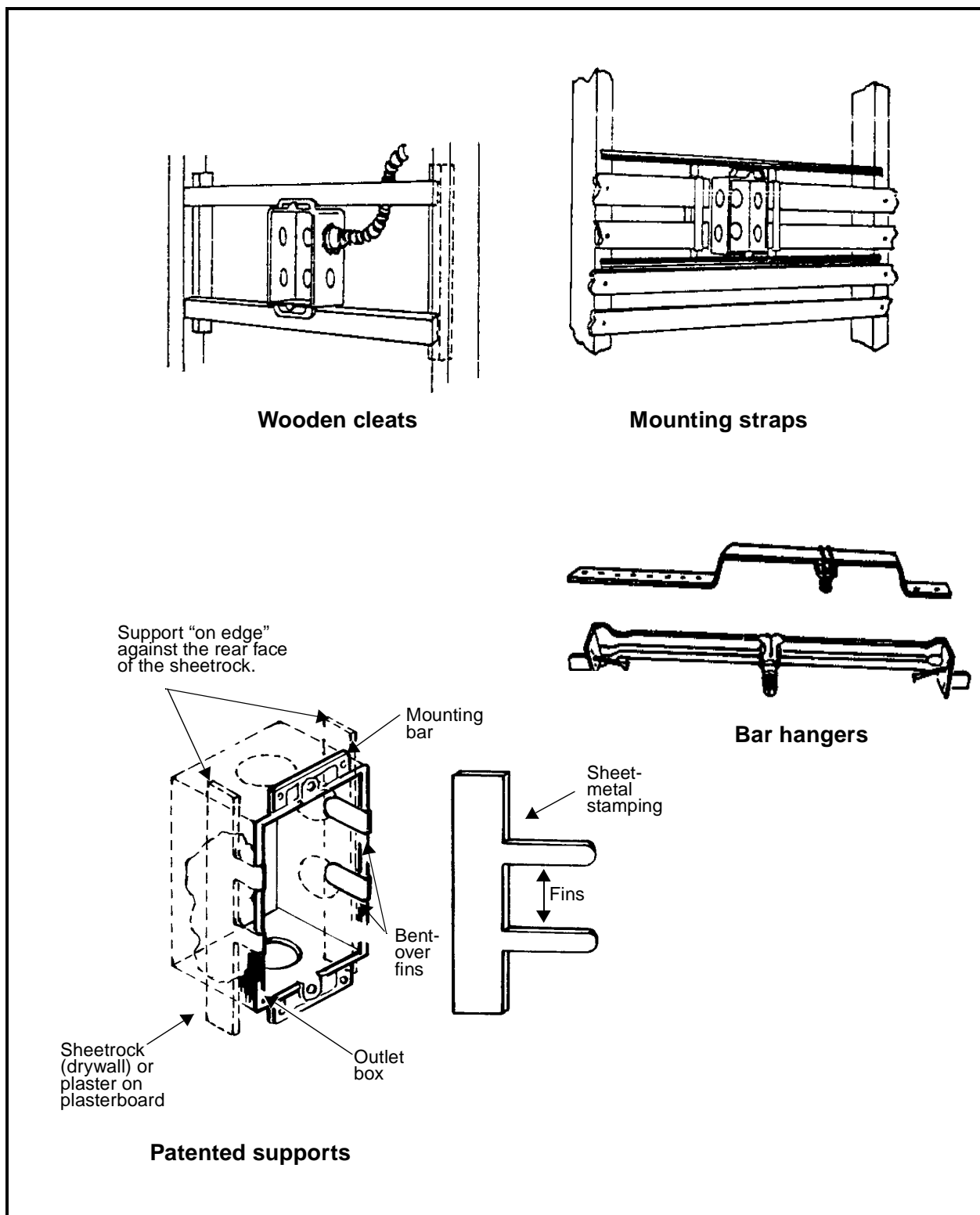


Figure A-13. Typical box mountings

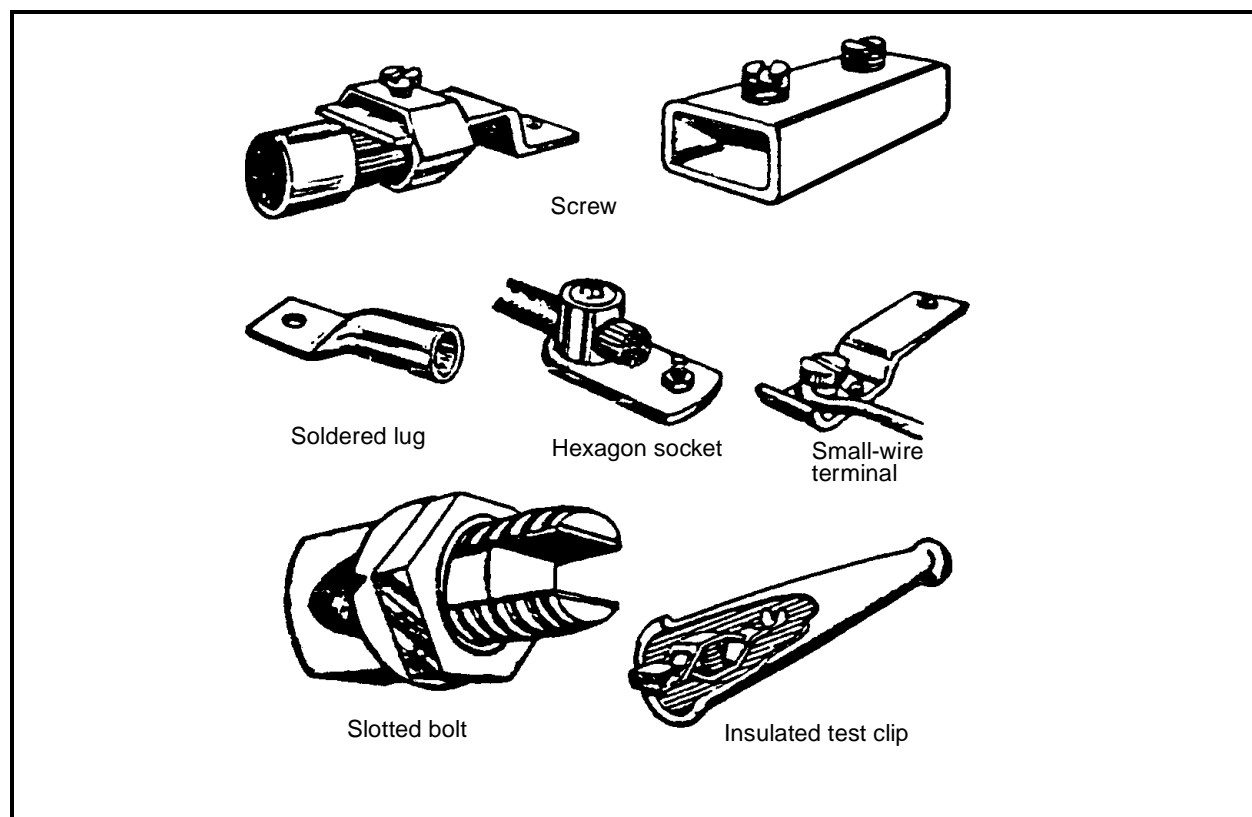


Figure A-14. Cable and wire connectors

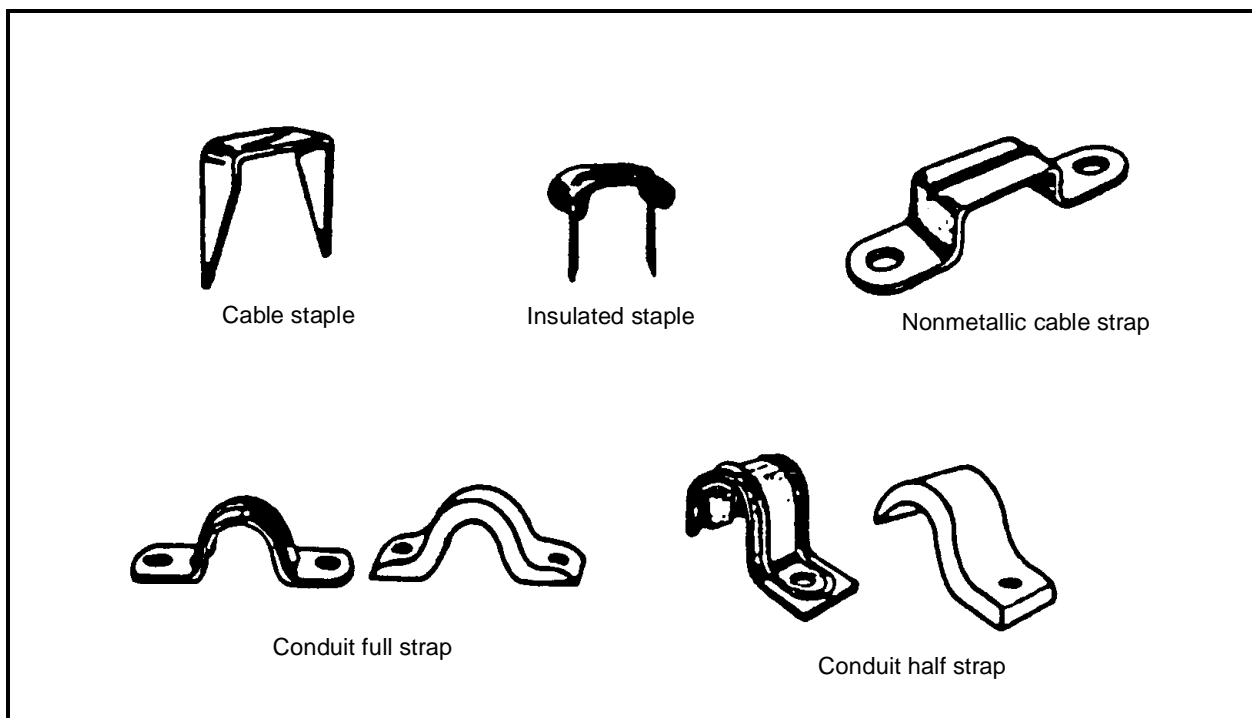
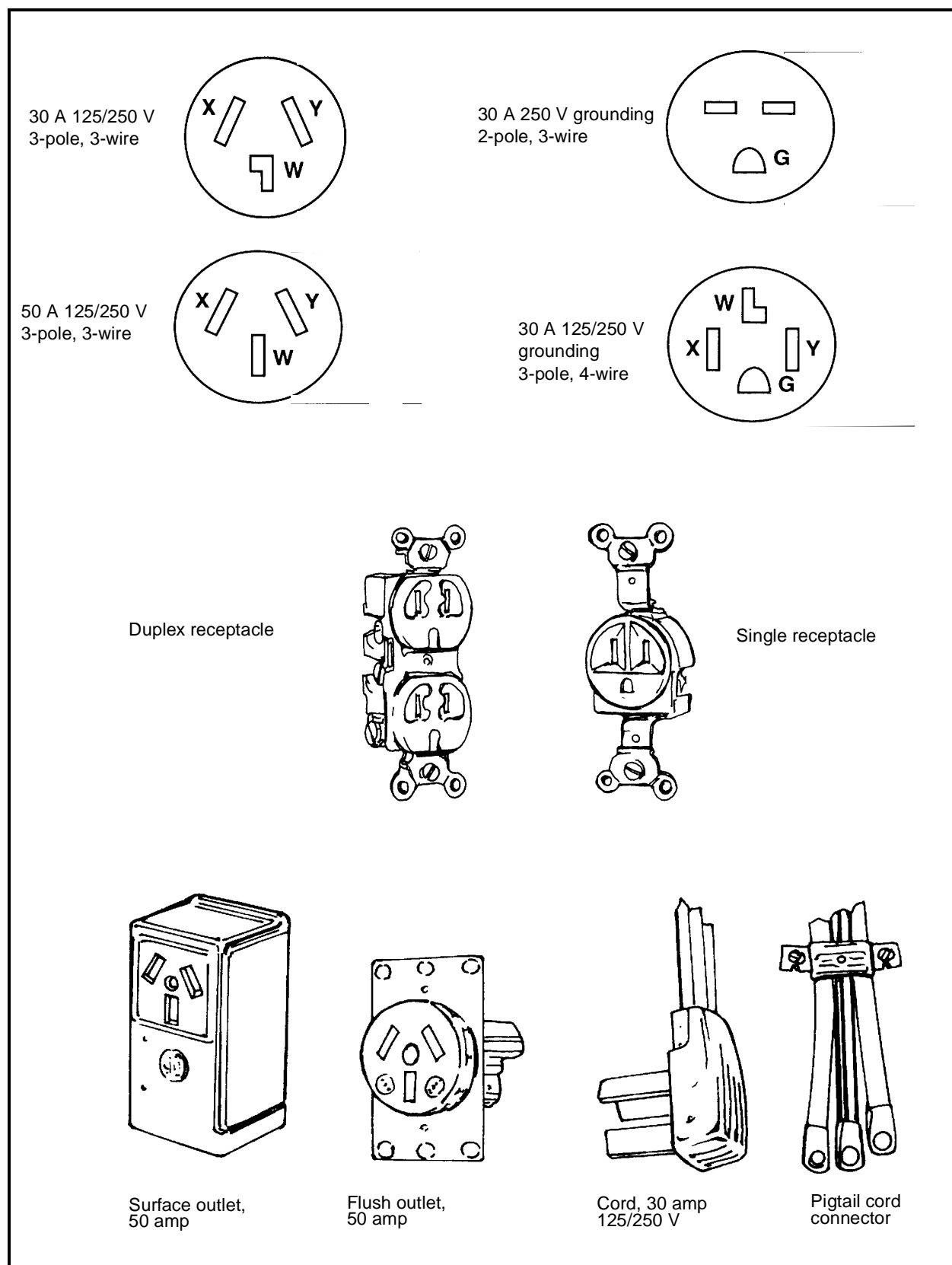


Figure A-15. Straps and staples

**Figure A-16. Receptacles**

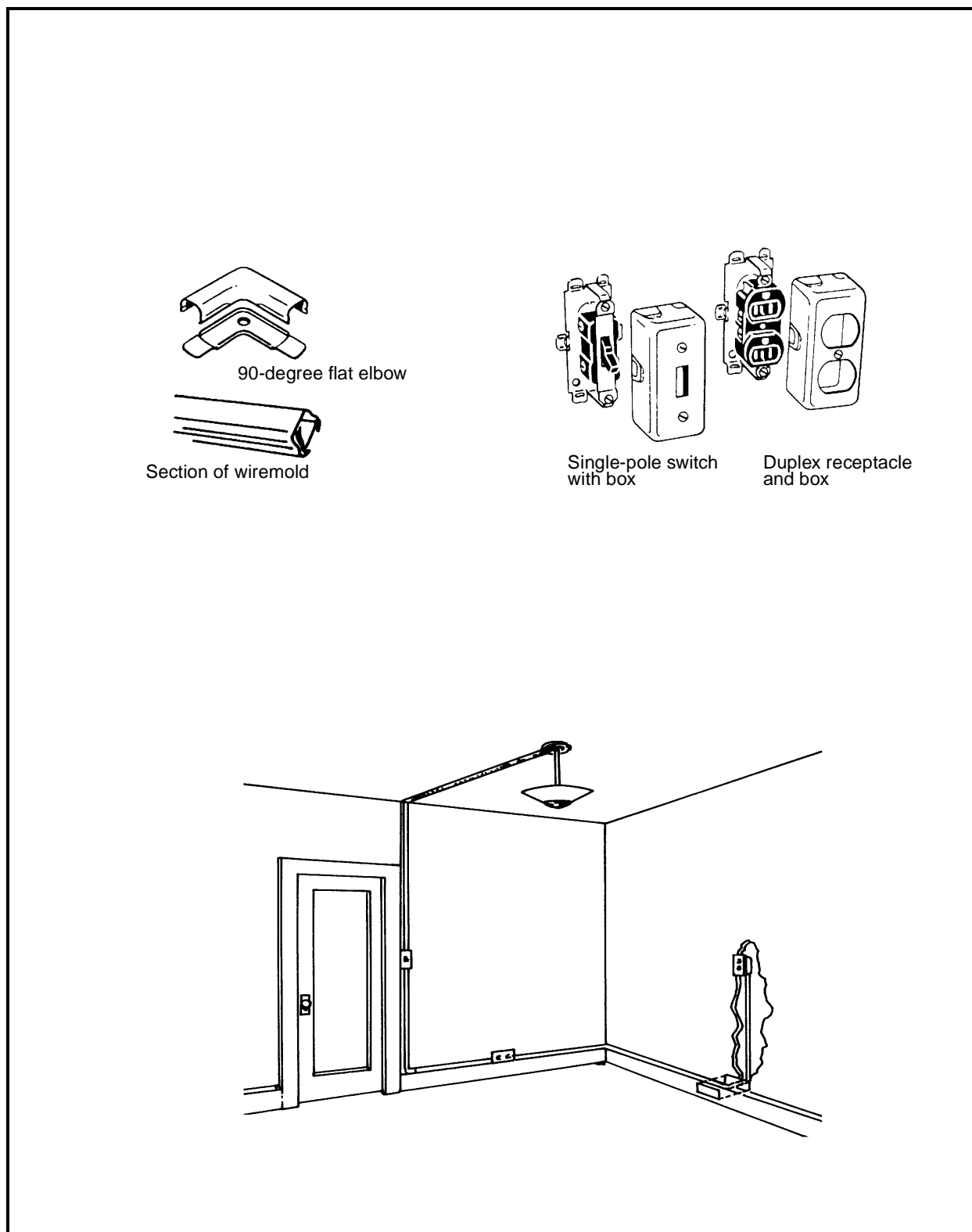
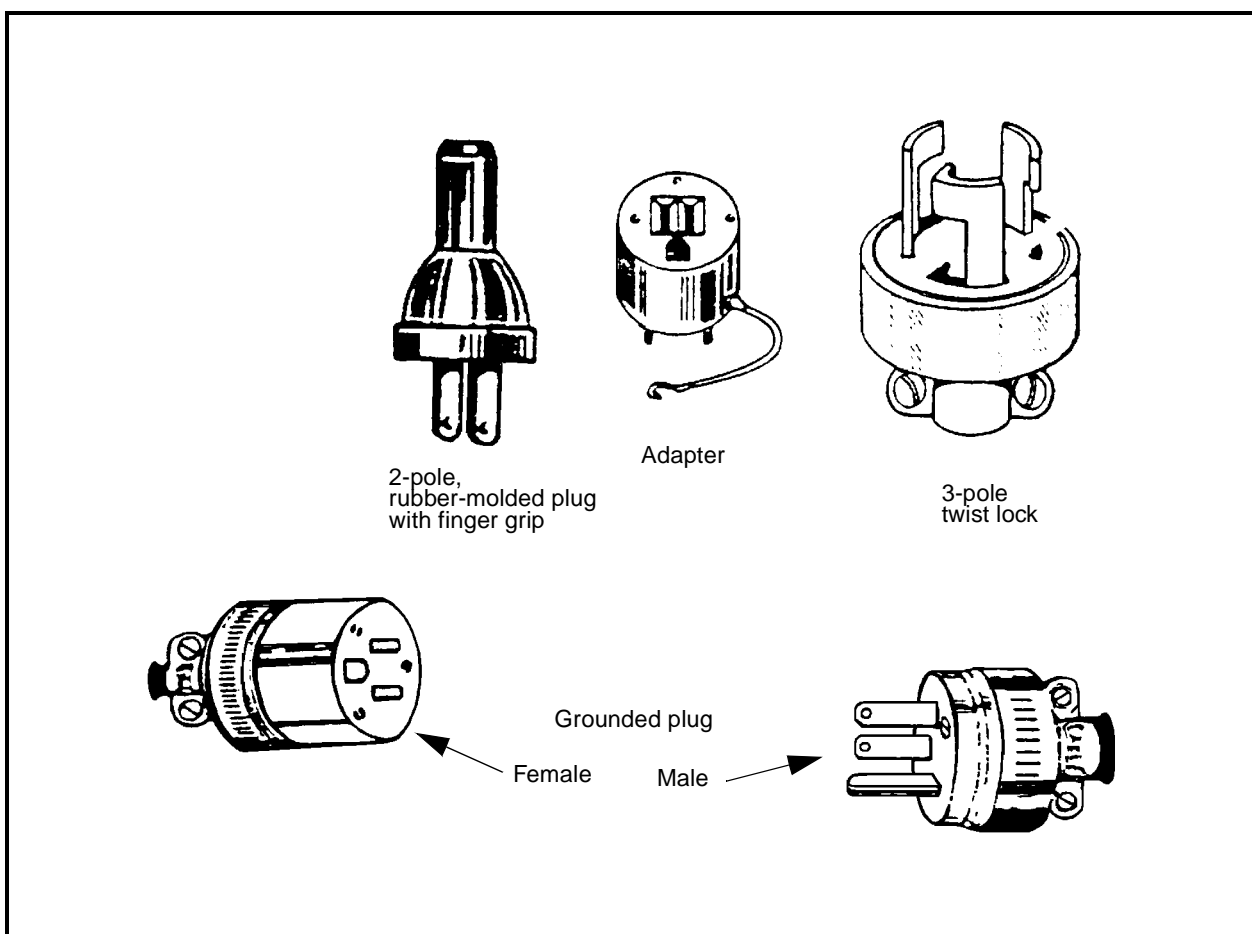
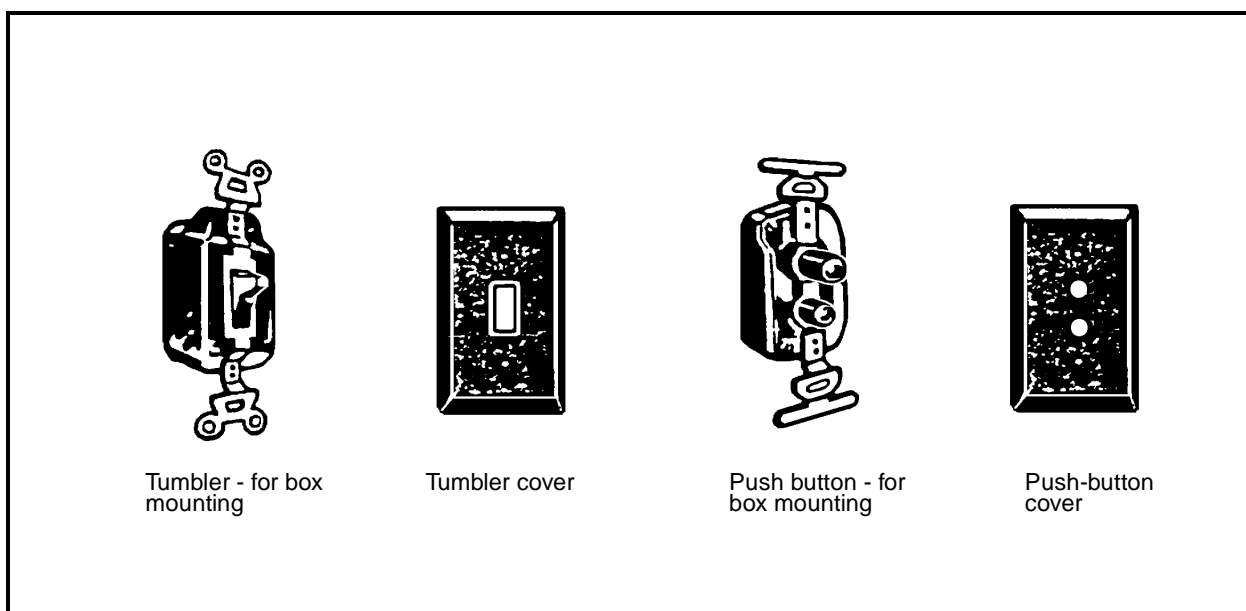


Figure A-17. Surface metal raceways

**Figure A-18. Attachment plugs****Figure A-19. Switches and covers**

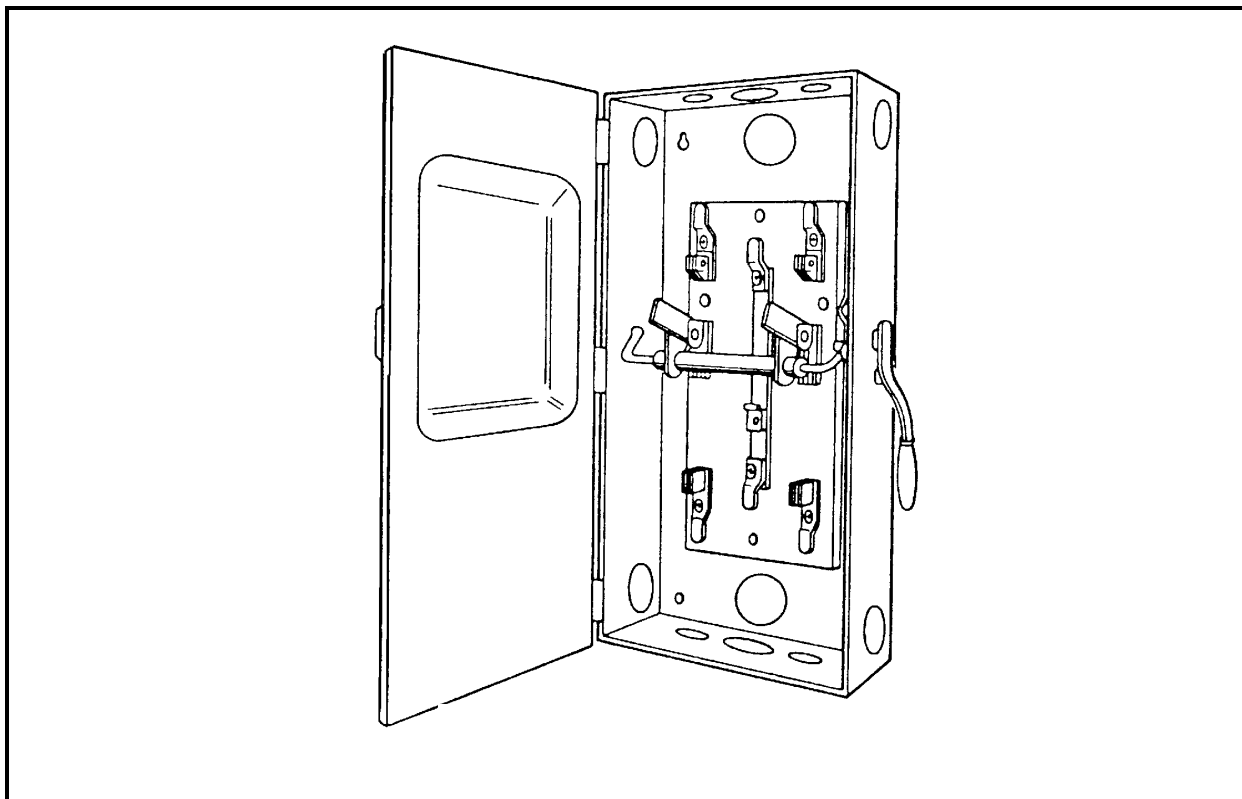
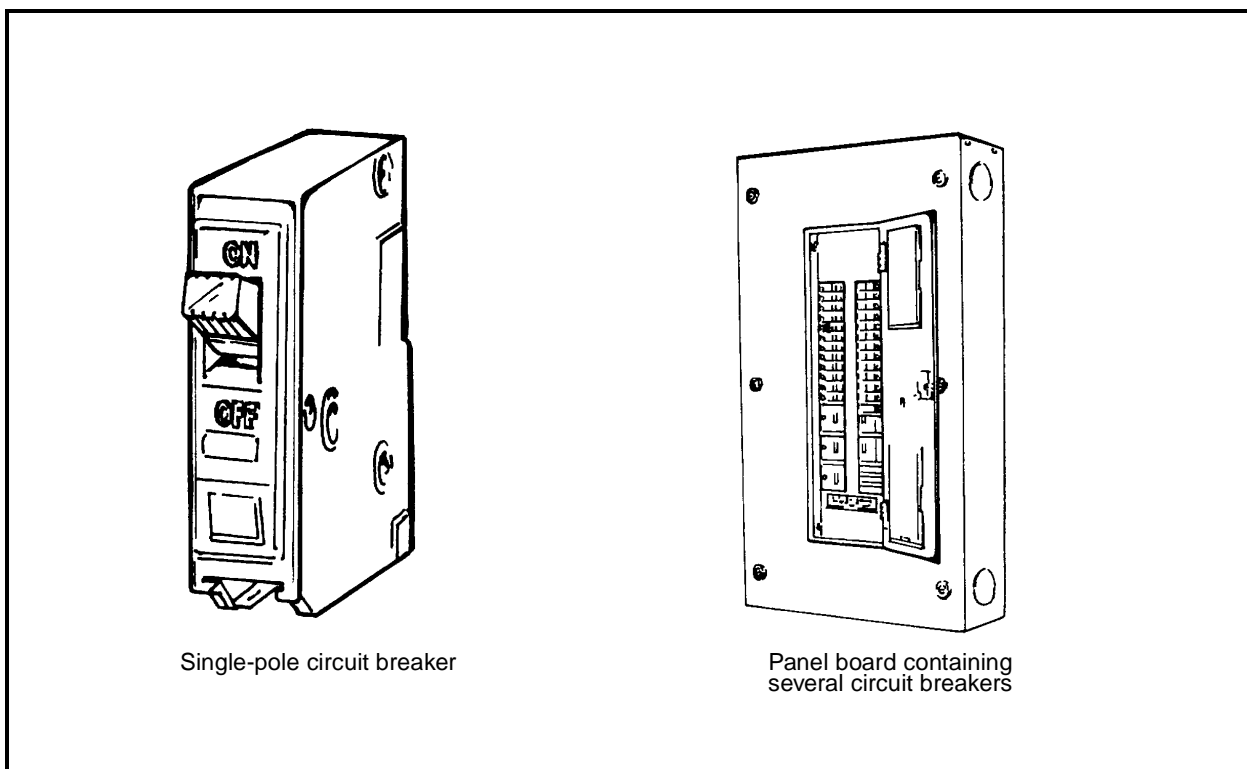


Figure A-20. Service switch box

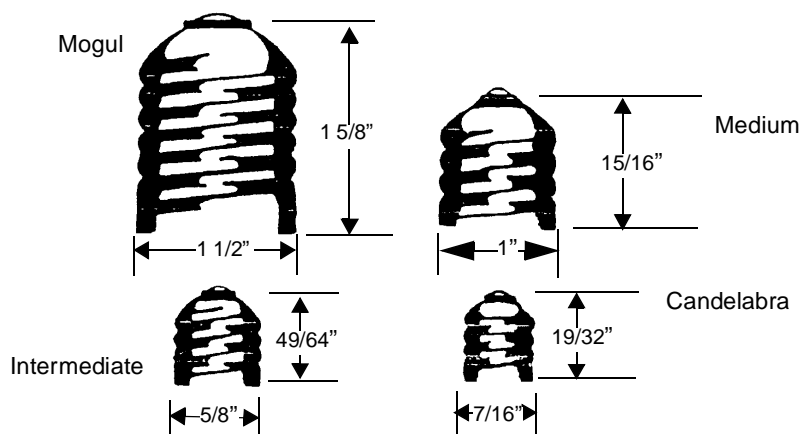


Single-pole circuit breaker

Panel board containing several circuit breakers

Figure A-21. Circuit breakers

General lamp-socket sizes



Types of sockets

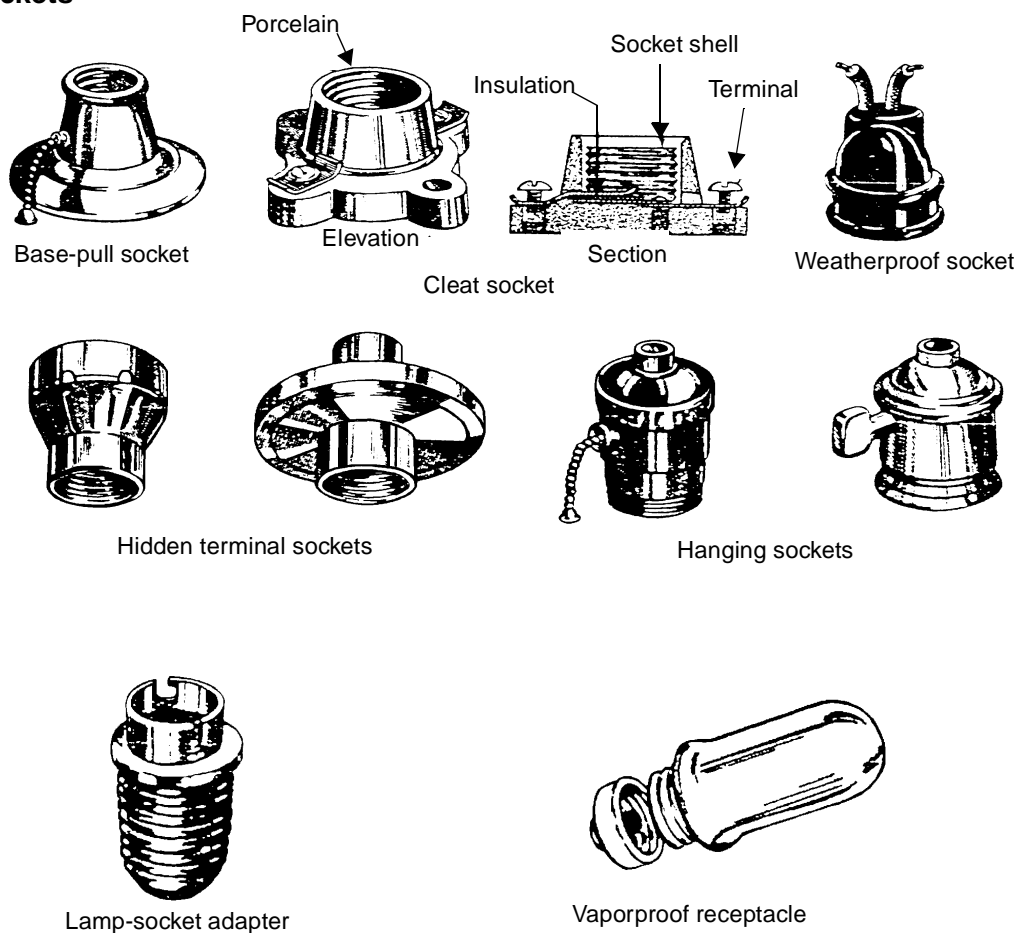


Figure A-22. Lamp holders and sockets

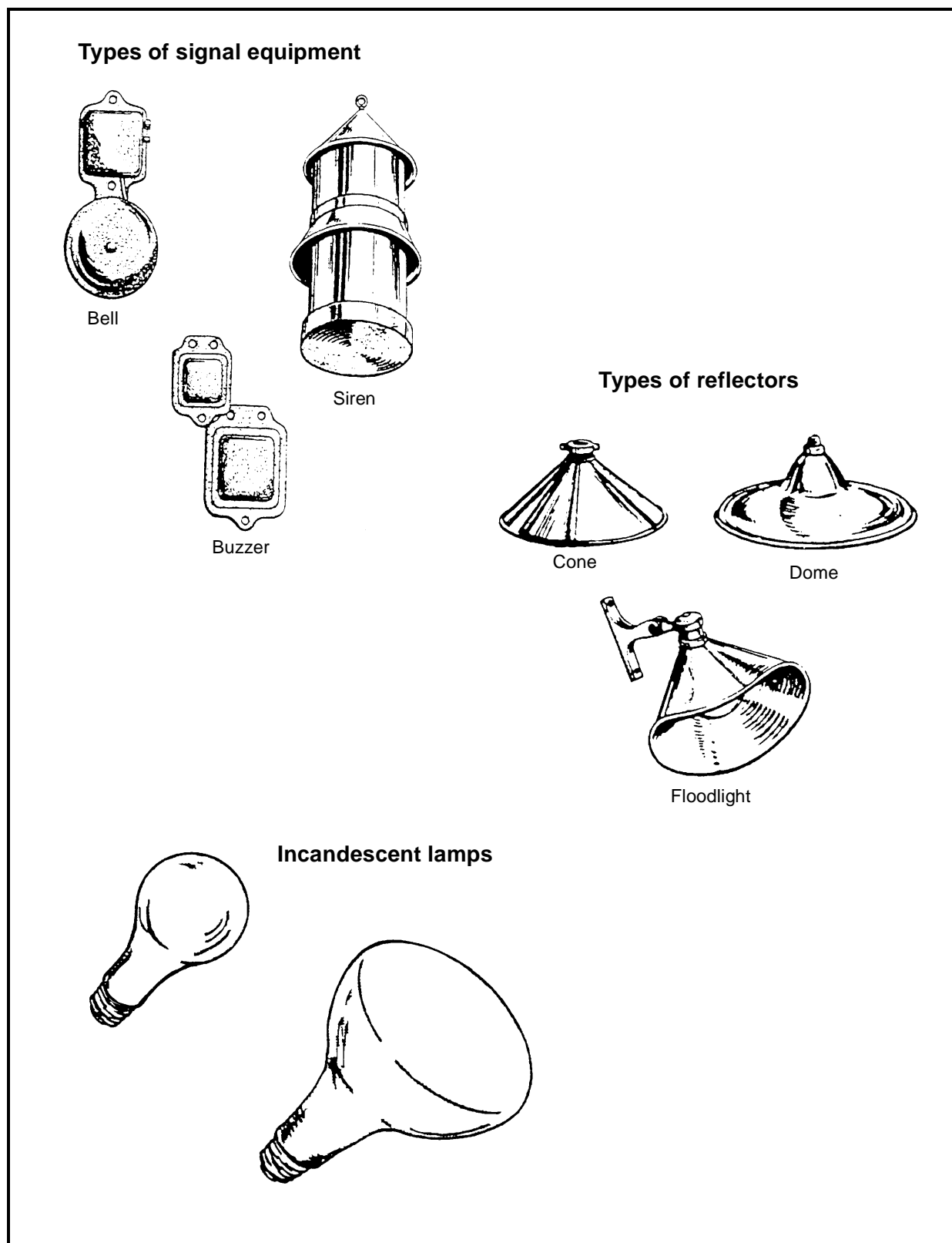
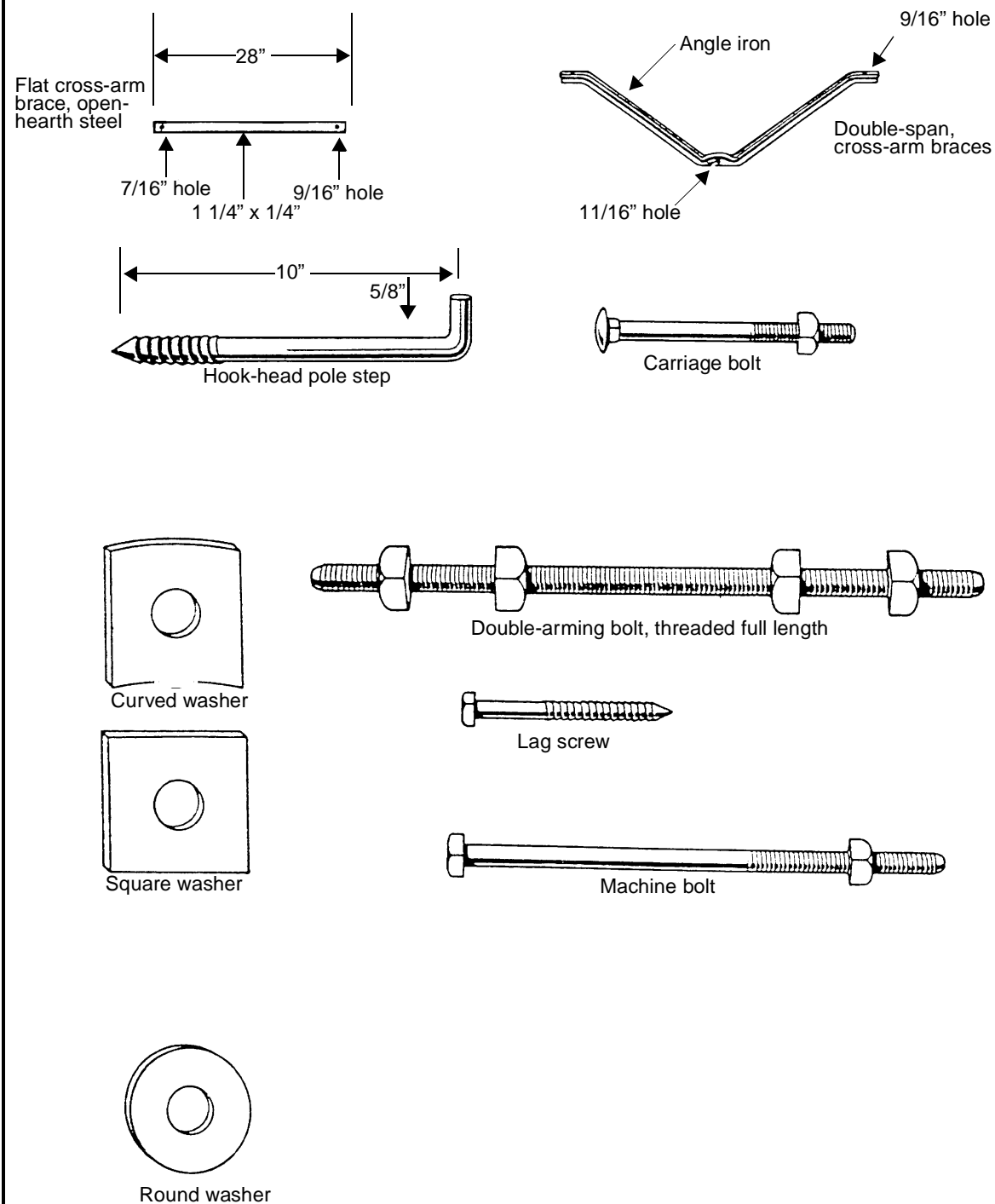
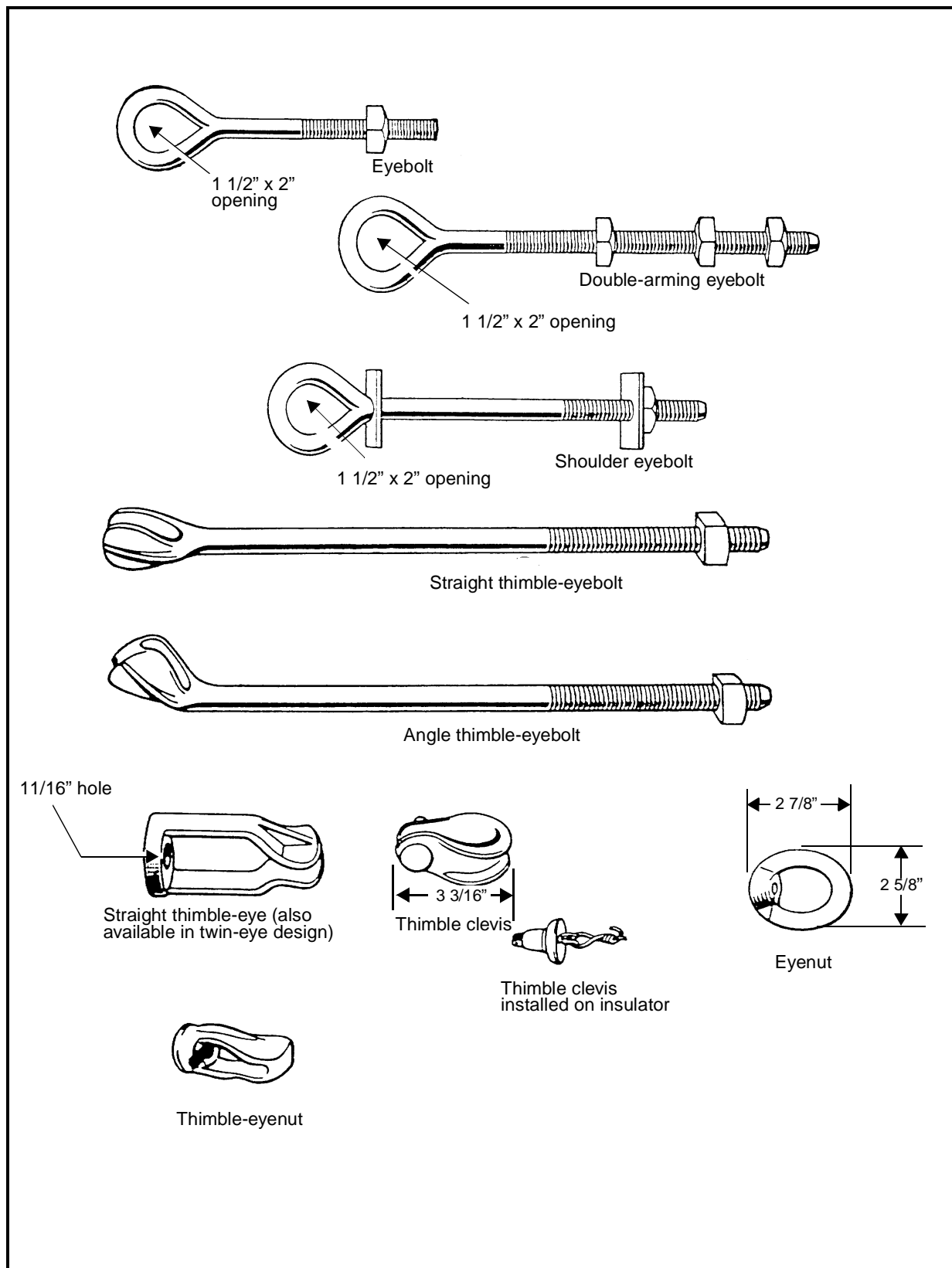


Figure A-23. Lamps, signal equipment, and reflectors

**Figure A-24. Braces, bolts, and washers**

**Figure A-25. Eyebolts, nuts, and clevises**

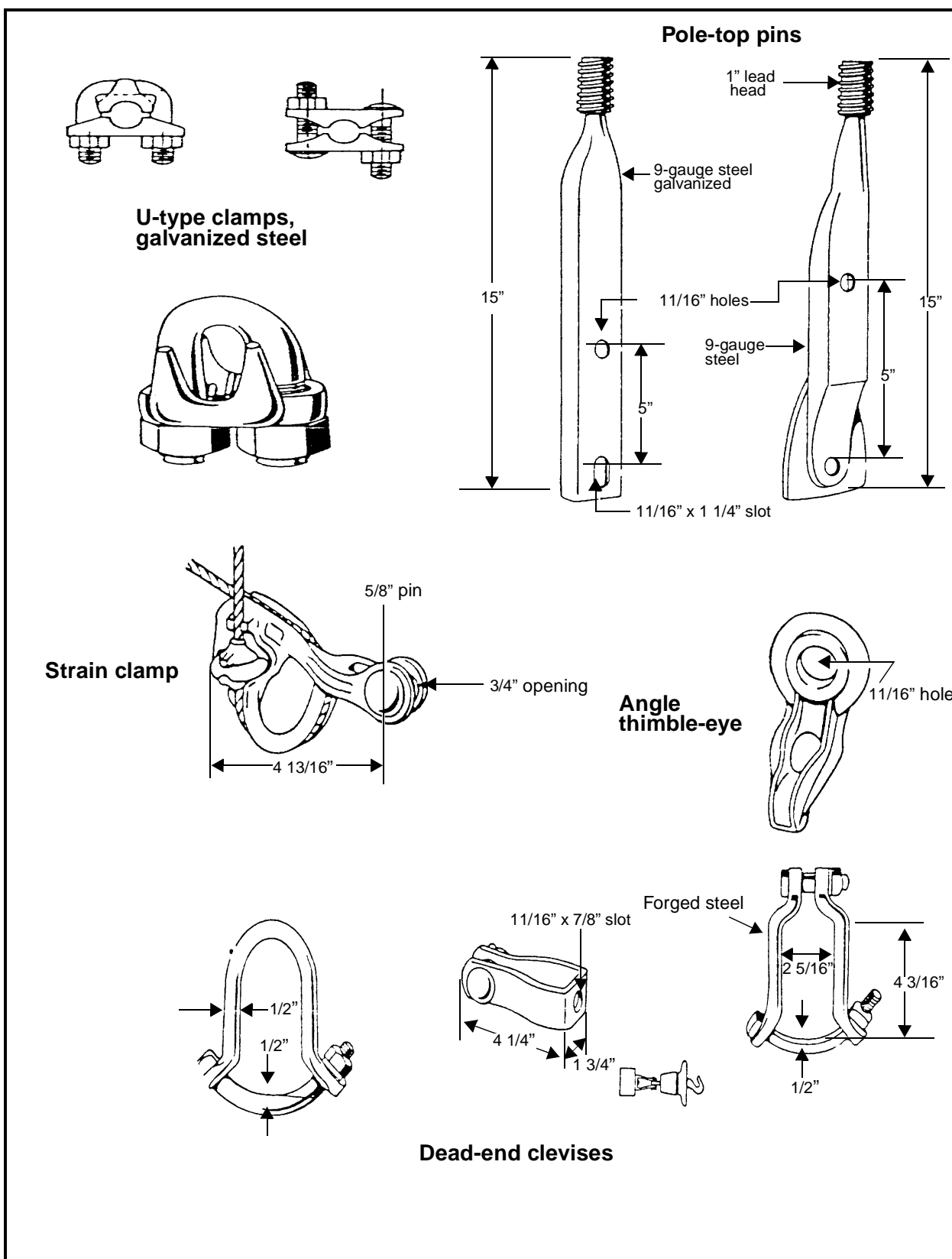


Figure A-26. Clamps, pins, thimble-eyes, and clevises

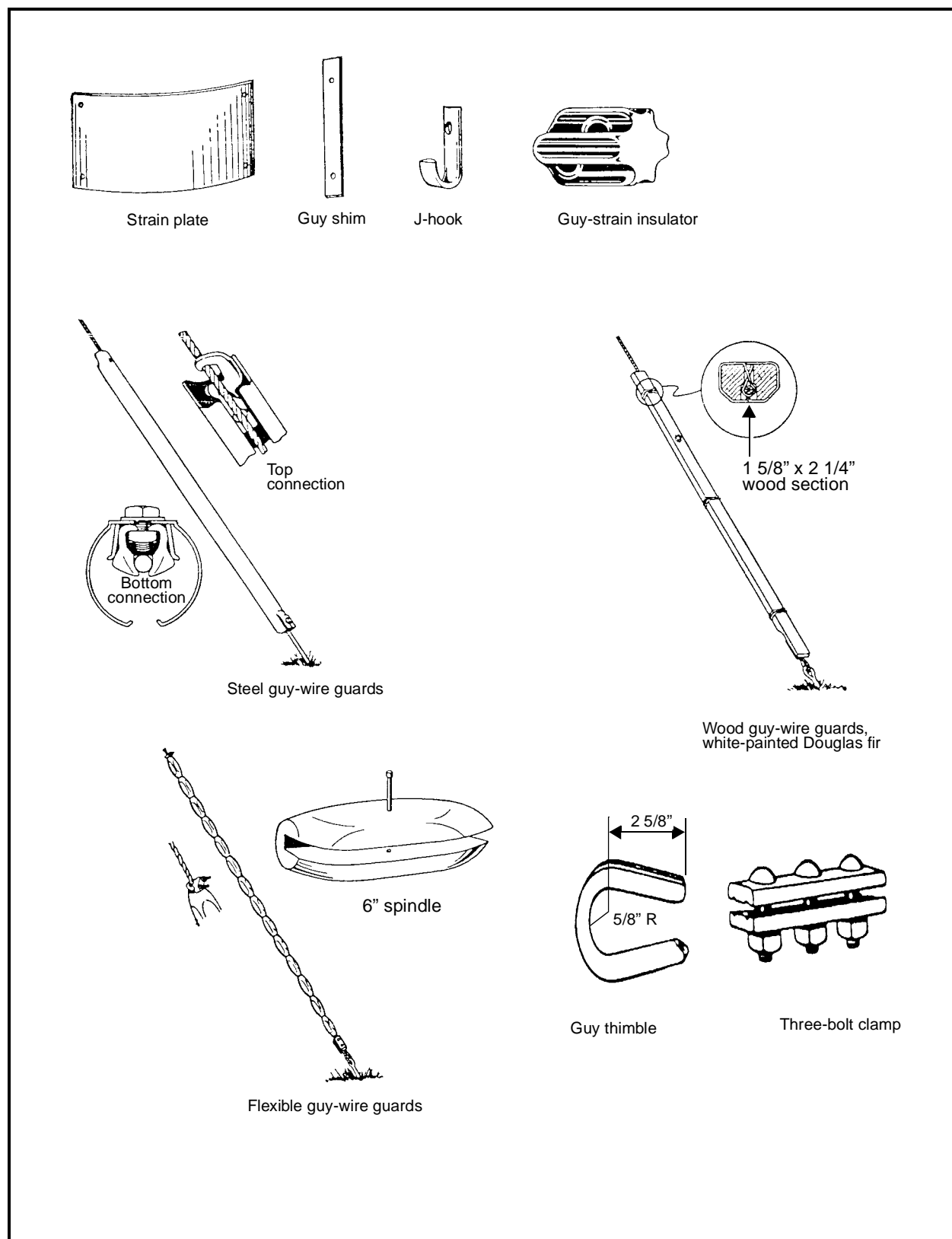


Figure A-27. Guy-wire equipment